



1500W
MAGNESIUM
ROTARY HAMMER DRILL
WITH SDS-PLUS FITMENT SYSTEM
RHD1500
INSTRUCTION MANUAL

GMC[®]
GLOBAL MACHINERY COMPANY

Black	Magenta	Code: RHD1500		
Cyan	Yellow	Date: 061219	Edition: 05	Op: DCR
用本处所有显示的颜色打印包装资料。Print artwork using ALL inks shown here.				

Contents

Warranty	2
Description of symbols	3
Specifications	3
General safety rules	4
Additional safety rules for drills	5
Additional safety rules for rotary hammers	6
Contents of carton	7
Know your product	8
Unpacking	9
Inserting SDS bits	9
Auxiliary handle	9
Using the dust protector cap	9
Selecting the required function	9
Fitting a keyed chuck	10
Switching on and off	10
Operation	10
Replacing worn carbon brushes	10
Gearbox maintenance	10
Cleaning	11
Power cord maintenance	11

Warranty Power Tools

Whilst every effort is made to ensure your complete satisfaction with this tool, occasionally, due to the mass manufacturing techniques, a tool may not live up to our required level of performance and you may need the assistance of our service department.

This product is warranted for a 2-year period for home domestic use from the date of the original purchase. If found to be defective in materials or workmanship, the tool or the offending faulty component will be repaired or replaced free of charge with another of the same item.

A small freight charge may apply. Proof of purchase is essential. We reserve the right to reject any claim where the purchase cannot be verified.

This warranty does not include damage or defects to the tool caused by or resulting from abuse, accidents, alterations or commercial or business use. It also does not cover any bonus items or included accessories. Only the power tool is covered under this warranty.

With continuing product development, changes may have occurred which render the product received slightly different to that shown in this instruction manual.

Please ensure that you store your receipt in a safe place. Conditions apply to the above warranty. For full details of the warranty terms and conditions please refer to our website – www.gmcompany.com

For prompt service we suggest you log your service request online - www.gmcservice.com.au, should you not have access to the internet, please contact our service department on 1300 880 001 (Australia) or 0800 445 721 (New Zealand).

Introduction

Your new GMC power tool will more than satisfy your expectations. It has been manufactured under stringent GMC Quality Standards to meet superior performance criteria.

You will find your new tool easy and safe to operate, and, with proper care, it will give you many years of dependable service.

CAUTION. Carefully read through this entire Instruction Manual before using your new GMC Power Tool. Take special care to heed the Cautions and Warnings.

Your GMC power tool has many features that will make your job faster and easier. Safety, performance, and dependability have been given top priority in the development of this tool, making it easy to maintain and operate.

Environmental protection



Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.

Description of symbols

The rating plate on your tool may show symbols. These represent important information about the product or instructions on its use.



Wear hearing protection.

Wear eye protection.

Wear breathing protection.



Double insulated
for additional protection.



N380

Conforms to relevant standards for
electromagnetic compatibility.

Specifications

<i>Voltage:</i>	230–240V ~ 50 Hz
<i>Power input:</i>	1500W
<i>No load speed:</i>	0 – 780 min ⁻¹
<i>Chuck type:</i>	SDS
<i>Keyed chuck capacity:</i>	1.5 – 13mm
<i>Impact frequency:</i>	0 – 2700 BPM
<i>Impact energy:</i>	5.5 J
<i>Drilling capacity:</i>	
<i>Wood:</i>	40mm
<i>Steel:</i>	13mm
<i>Masonry:</i>	36mm
<i>Tool weight:</i>	5.5kg

The sound intensity level for the operator may exceed 85dB(A) and sound protection measures are necessary

General safety rules

WARNING. Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term “power tool” in all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

Save these instructions

1. Work area

a. Keep work area clean and well lit.

Cluttered and dark areas invite accidents.

b. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.

c. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2. Electrical safety

a. Power tool plugs must match the outlet.

Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.

b. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.

c. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

d. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.

e. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.

3. Personal safety

a. Stay alert, watch what you are doing and use common sense when operating a power tool.

Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.

A moment of inattention while operating power tools may result in serious personal injury.

b. Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c. Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.

d. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

e. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

f. Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

g. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust related hazards.

4. Power tool use and care

a. Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.

- b. Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation.** If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- f. Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g. Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

5. Service

- a. Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

Additional safety rules for drills

Wear ear protectors with hammer drills.

Exposure to noise can cause hearing loss.

Use auxiliary handles supplied with the tool.

Loss of control can cause personal injury.

- Fully unwind cable drum extensions to avoid potential overheating.
- When an extension cable is required, you must ensure that it has the right ampere rating for your power tool and is in safe electrical condition.
- If possible, always use clamps or a vice to hold your work.
- Always switch off before you put the drill down.
- Ensure that the lighting is adequate.
- Do not put pressure on the drill, such that it slows the motor down. Allow the drill bit to cut without pressure. You will get better results and you will be taking better care of your tool.
- Keep the area free of tripping hazards.
- Do not let anyone under 18 years operate this tool.
- Only use accessory bits in good condition.
- Before drilling, check that there is sufficient clearance for the drill bit under the work piece.
- Do not touch the bit after operation. It will be very hot.
- Keep your hands away from under the work piece.
- Never use your hands to remove sawdust, chips or waste close by the bit.
- Rags, cloths, cord, string and the like should never be left around the work area.
- Support the work properly.
- If you are interrupted when operating the drill, complete the process and switch off before looking up.
- Periodically check that all nuts, bolts and other fixings are properly tightened.

- When using the drill, use safety equipment including safety glasses or shield, ear defenders, and protective clothing including safety gloves. Wear a dust mask if the drilling operation creates dust.

WARNING. Before connecting a tool to a power source (mains socket power point receptacle, outlet, etc.) be sure that the voltage supply is the same as that specified on the nameplate of the tool. A power source with a voltage greater than that specified for the tool can result in serious injury to the user, as well as damage to the tool.

If in doubt, do not plug in the tool. Using a power source with a voltage less than the nameplate rating is harmful to the motor.

The tool must be used only for its prescribed purpose. Any use other than those mentioned in this Manual will be considered a case of misuse. The user and not the manufacturer shall be liable for any damage or injury resulting from such cases of misuse.

To use this tool properly, you must observe the safety regulations, the assembly instructions and the operating instructions to be found in this Manual. All persons who use and service the machine have to be acquainted with this Manual and must be informed about its potential hazards. Children and frail people must not use this tool. Children should be supervised at all times if they are in the area in which the tool is being used. It is also imperative that you observe the accident prevention regulations in force in your area. The same applies for general rules of occupational health and safety.

The manufacturer shall not be liable for any changes made to the tool nor for any damage resulting from such changes.

Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the tool's construction and design:

- Damage to the lungs if an effective dust mask is not worn.
- Damage to hearing if effective ear defenders are not worn.

Wear goggles

Wear earmuffs

Wear a breathing mask

The tool must be used only for its prescribed purpose. Any use other than those mentioned in this Manual will be considered a case of misuse. The user and not the manufacturer shall be liable for any damage or injury resulting from such cases of misuse.

The manufacturer shall not be liable for any changes made to the tool nor for any damage resulting from such changes.

Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the tool's construction and design:

- Damage to the lungs if an effective dust mask is not worn.
- Damage to hearing if effective earmuffs are not worn.

Additional safety rules for rotary hammers

- Do not use the rotary hammer in damp or wet areas.
- Do not attempt to use the rotary hammer for a purpose on which it was not designed. The rotary hammer will give much better service if you do not use excessive force. Excessive force will overheat the rotary hammer and damage internal parts. Excessive force may cause you to over balance causing damage and/or injury.
- Be prepared for the initial torque reaction of the drill.
- Chisel bits and drill bits may be thrown out of the machine accidentally and cause serious injury. Before starting to work always check that the chisel or drill bit is properly locked in the chuck.
- Examine the chuck regularly for signs of wear or damage. Never start up a rotary hammer tool until it is pressed against a work piece (bracket, wall, ceiling, etc).

- *Wear work gloves to protect fingers from bruising and abrasions.*
- *Always check walls and ceilings for position of hidden power cables, pipes etc. A metal detector can be obtained from any good DIY store for this purpose.*
- *Wear ear protectors. Exposure to noise can cause hearing loss.*
- *Use auxiliary handles supplied with the tool. Loss of control can cause personal injury.*

Contents of carton

The Rotary Hammer Drill is supplied with the following accessories:

- *Depth gauge rod*
- *Auxiliary handle*
- *SDS Drill bits:*
 - 8mm x 150mm*
 - 10mm x 150mm*
 - 12mm x 150mm*
- *SDS Chisel bits*
 - Point chisel 14mm x 250mm*
 - Flat chisel 14mm x 250mm*
- *13mm Keyed chuck with SDS-Plus chuck adaptor*
- *13mm Keyed chuck key*
- *Spanner*
- *Grease pot*
- *Spare set of brushes*

Know your product

1. Dust shield
2. Locking sleeve
3. Wing nut
4. Selector knob
5. Gearbox cover
6. Trigger switch
7. Hammer function switch
8. Auxiliary handle
9. Depth gauge
10. SDS Drill bits (x 3)
11. SDS Chisel bits (x2)
12. 13mm Keyed chuck key
13. 13mm Keyed chuck
14. Pin wrench
15. Dust cap
16. Gearbox grease pot
17. SDS-Plus chuck adaptor
18. Variable speed dial



Unpacking

Due to modern mass production techniques, it is unlikely that your GMC Power Tool is faulty or that a part is missing. If you find anything wrong, do not operate the tool until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

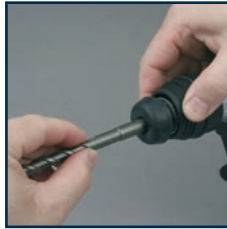
Inserting SDS bits

WARNING. Always ensure that the drill is switched off and plug is removed from the power point before making any adjustments.

1. Apply a coating of universal grease to the end of the bit that is to be inserted into the SDS chuck.
2. Pull back the locking sleeve (2), insert the SDS Plus bit into the chuck opening and release the locking sleeve (2).



Note. The SDS Plus bit needs to be inserted in a specific way to ensure it locks into the chuck. To check if it is properly inserted, attempt to pull the bit out of the chuck. If it can be removed without pulling back locking sleeve (2), rotate the bit a little and re-insert it until the bit locks firmly into place.



Auxiliary handle

1. Loosen wing nut (3) anti-clockwise to loosen the collar and slip it over the chuck onto the drill.
2. Adjust the position of the handle to suit the application and add the depth gauge (9) if required.
3. Place the tip of the drill on the workpiece and push in the depth gauge until the desired hole depth is indicated on the depth gauge scale. Tighten wing nut (3).



Using the dust protector cap

The dust cap (15) can be used to give added protection against dust and debris entering the SDS chuck.

1. Place the cap over the shank of the bit and slide it forward until it rests against the shoulder of the bit.
2. Insert the bit into the SDS chuck as normal.



Selecting the required function

It is possible to use the Rotary Hammer Drill in three different modes:

1. Rotation only – for drilling into metal and wood products.
2. Rotary hammer – for drilling into brick, concrete and masonry products.
3. Hammer only – for chiseling brick, concrete and masonry products.

To select the required mode of operation set the selector knob (4) and the hammer function switch (7) to the positions indicated.

Note. To operate the selector knob (4), first push the button on the knob then turn it either to the **T** or to the **T** position as required.



The hammer function switch (7) can be turned to the left **T** or to the right **T** as required.

Rotation only mode of operation

Set the selector knob (4) to the **T** position and the hammer function switch (7) to the right **T** position.

Rotary hammer mode of operation

Set the selector knob (4) to the **T** position and the hammer function switch (7) to the left **T** position.

Hammer only mode of operation

Set the selector knob (4) to the **T** position and the hammer function switch (7) to the left **T** position.

Fitting a keyed chuck

WARNING. Always ensure that the drill is switched off and plug is removed from the power point before making any adjustments. The keyed chuck (13) can be fitted to the SDS chuck with the use of the in-built SDS chuck adaptor (17). The keyed chuck allows bits with a straight shank to be used with the tool.

1. Grip and pull back the locking sleeve (2) and insert the SDS chuck adaptor (17).
2. It may be necessary to turn the SDS chuck adaptor in order for it to locate properly.
3. Release the locking sleeve (2) to lock the adaptor in place. Ensure the chuck is secure.

WARNING. The keyed chuck (13) is only to be used when drilling into wood and metal. It must not be used in the hammer mode of operation.



Setting the speed

The variable speed dial (18) allows you to change the operating speed of the tool.

It is used to set the speed of drilling to suit different materials and applications.

Use your finger or thumb to turn the dial forwards to decrease the speed and left backwards to increase the speed.

Switching on and off

Connect the plug to the power point.

Press the trigger switch (6) to start the drill and release the trigger when you wish to stop.

Operation

Hold the drill with your two upper fingers comfortably on the trigger switch.

Use the auxiliary handle (8) where possible to gain extra control and to prevent fatigue.

Replacing worn carbon brushes

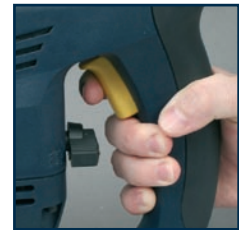
Take your product to the nearest authorised service centre for brush replacement.

Never attempt to maintain or repair any electrical equipment yourself. Only have this done by an authorised service centre.

Gearbox maintenance

Carry out the following procedure after each period of approximately 6 hours of use.

1. Use wrench (14) to unscrew the gearbox cover (5) located on top of the drill.



2. Use a spatula or similar instrument to apply the grease into the gearbox cavity. Be careful not to scratch or otherwise damage the mechanism.

3. Replace the cover.

CAUTION. Do not over-tighten the cover (5) or overfill the gearbox with grease. If you run out of grease, or are not sure how to change the grease, please take your product to the nearest authorised service centre and have a qualified person replace the grease.



Power cord maintenance

If the supply cord needs replacing, the task must be carried out by the manufacturer, the manufacturer's agent, or an authorised service centre in order to avoid a safety hazard.

Cleaning

1. Keep your machine and its cord clean. The outside of the machine can be cleaned using a damp soft cloth with a mild detergent if required.
2. Some maintenance products and solvents may damage the plastic parts; these include products containing benzene, trichloroethylene, chloride and ammonia.
3. Excessive sparking generally indicates the presence of dirt in the motor or abnormal wear on the carbon brushes.
4. Take special care to keep the ventilation inlets/outlets free from obstruction; cleaning with a soft brush will usually be sufficient to ensure acceptable internal cleanliness.
5. Wear eye protection when carrying out cleaning.

CAUTION. Do not use cleaning agents to clean the plastic parts of the drill.

GMC customer assist

If your product needs repairing, replacing, technical service or you simply need help or advice, please contact us on our Customer Assist Line 1300 880 001 (Australia) or 0800 445 721 (New Zealand).

For prompt service we suggest you log your service request online at www.gmcservice.com.au. Should you not have access to the Internet, please contact our service department on 1300 880 001 (Australia) or 0800 445 721 (New Zealand). 7am – 7pm, 7days a week (AEST).

Please note that if repair or replacement is required, you must provide a valid original purchase receipt.

You will need the following details at hand to log your service request;

Personal details: First & Last name, address, pick up address, contact phone numbers, email address

Product details: Product number, date of purchase, retailer bought from, State & postcode, receipt number, reason for the request, copy of official purchase receipt

Attach your purchase receipt and save with this Manual for future reference.

Please refer to our website www.gmcompany.com for full GMC warranty Terms and Conditions.

GMC[®]
GLOBAL MACHINERY COMPANY

Attach Your
Receipt Here